

CLAIMS

I/We claim:

1 1. A method for processing bill payment information,
2 comprising:

3 processing information identifying a payee to whom a payer
4 intends to electronically direct payment to determine if bills of
5 the payee are available electronically; and

6 if so determined, transmitting a notice to the payer that the
7 bills of the payee are available electronically.

1 2. The method of claim 1, further comprising:

2 transmitting the information to the payer;

3 wherein the notice is transmitted to the payer with the
4 transmitted information.

1 3. The method of claim 1, further comprising:

2 storing the information in a database;

3 wherein the processing of the information occurs one of (i)
4 subsequent to and (ii) prior to the storing of the information.

1 4. The method of claim 1, further comprising:

2 if not so determined, subsequently processing the information
3 to determine if the bills of the payee are available
4 electronically; and

5 if so determined, transmitting the notice to the payer that
6 the bills of the payee are available electronically.

1 5. The method of claim 1, wherein the processing of the
2 information includes:

3 determining if the information identifying the payee is

4 included in a database configured to store information identifying
5 payees that offer electronic bill presentment.

1 6. The method of claim 1, wherein the processing of the
2 information includes:

3 determining if the information identifying the payee is
4 included in a database configured to store information identifying
5 payees that have presented at least one electronic bill.

1 7. The method of claim 1, wherein the processing of the
2 information includes:

3 determining if the information identifying the payee is
4 included in a database configured to store electronic billing
5 information.

1 8. The method of claim 1, further comprising:
2 inputting, responsive to the notice, a request from the
3 payer to receive the bills of the payee electronically; and
4 transmitting the request to the payee.

1 9. The method of claim 1, further comprising:
2 further processing the information identifying the payee to
3 determine if electronic billing information for the payer and
4 associated with the payee, is stored in a database configured to
5 store electronic billing information; and

6 if so determined, transmitting to the payer a further notice
7 that the stored electronic billing information is available.

1 10. The method of claim 9, wherein the database is a first
2 database, and the further processing of the information includes:
3 determining if the information identifying the payer is

4 included in a second database configured to store information
5 identifying payers having stored billing information in the
6 database.

1 11. The method of claim 1, wherein the information is first
2 information, the payee is a first payee of a plurality of payees
3 and the payer is a first payer of a plurality of payers and further
4 comprising:

5 storing, in each of a plurality of first databases, each first
6 database being associated with one of the plurality of payers,
7 second information identifying at least one payee to whom an
8 associated payer intends to electronically direct payment;

9 receiving, from a second of the plurality of payees, an
10 electronic bill for a second of the plurality of payers;

11 processing the received electronic bill to determine if the
12 second payee is included in a second database storing third
13 information identifying those payees that have presented at least
14 one electronic bill;

15 if not so determined, storing third information associated
16 with the second payee in the second database.

1 12. The method of claim 11, further comprising:

2 identifying, if the second payee is not included in the second
3 database, those of the plurality of first databases in which second
4 information associated with the second payee is stored; and

5 storing third information associated with the second payee in
6 each of the identified plurality of first databases.

1 13. The method of claim 12, further comprising:

2 determining, if the second payee is not included in the second
3 database, if the second payee is included in a third database

4 storing fourth information identifying each payee included in any
5 of the plurality of first databases and storing fifth information
6 identifying those payers associated with each of the payees
7 included in the third database;

8 identifying those payers associated with the second payee in
9 the third database, if fourth information associated with the
10 second payee is stored in the third database; and

11 storing third information associated with the second payee in
12 each of the plurality of first databases associated with the
13 identified payers.

1 14. The method of claim 11, further comprising:
2 storing the received electronic bill; and
3 transmitting a notice to the second payer that the electronic
4 bill is available.

5 15. The method of claim 14, further comprising:
6 storing, in each of the plurality of first databases, fourth
7 information indicative of available electronic bill information;
8 determining if one of the plurality of first databases is
9 associated with the second payer;
10 if so determined, determining if second information
11 identifying the second payee is included in the one of the
12 plurality of first databases associated with the second payer;
13 if so determined, storing fifth information associated with
14 the second payee in the one of the plurality of first databases
15 associated with the second payer.

1 16. The method of claim 15, further comprising:
2 storing sixth information identifying payers which have been
3 presented electronic bills in a third database;

determining if sixth information associated with the second payer is included in the third database; and

if not so determined, storing sixth information associated with the second payer in the third database.

17. The method of claim 16, further comprising:

storing seventh information identifying each payee included in any of the plurality of first databases and eighth information identifying those payers associated with each of the payees in a fourth database;

determining if seventh information associated with the second payee is included in the fourth database;

if so determined, determining if the second payer is associated with the second payee in the fourth database;

if so determined, storing fifth information associated with the second payee in the one of the first plurality of databases associated with the second payer.

18. A system for processing bill payment information, comprising:

a memory configured to store bill payment information;

a processor communicatively connected to the memory and configured to process information identifying a payee to whom a payer intends to electronically direct payment to determine if bills of the payee are available electronically, and if so determined, to direct a notice to be transmitted to payer notifying the payer that the bills of the payee are available electronically; and

a communications port communicatively connected to the processor and configured to transmit and receive bill payment information.

19. The system of claim 18, wherein:
the processor is further configured to direct that the
information be transmitted to the payer; and
the notice is transmitted to the payee with the transmitted
information.

20. The system of claim 19, further comprising:
a first database stored in the memory;
wherein the processor is further configured to store the
information in the first database and to process the information at
one of (i) subsequent to and (ii) prior to the storing of the
information.

21. The system of claim 19, wherein the processing is initial
processing, the transmitting is initial transmitting and the
initial processing of the information determines that the bills of
the payee are not available electronically, wherein the processor
is further configured to:

subsequently process the information and thereby determine
that the bills of the payee are available electronically and to
direct transmission, to the payer, of the information and the
notice that the bills of the payee are available electronically
based on the subsequent processing determination.

22. The system of claim 18, further comprising:
a first database stored in the memory and configured to store
information identifying payees that offer electronic bill
presentment;

wherein the processor is further configured to determine if
the information identifying the payee is included in the first
database.

1 23. The system of claim 18, further comprising:
2 a first database stored in the memory and configured to store
3 information identifying payees that have presented at least one
4 electronic bill;
5 wherein the processor is further configured to determine if
6 the information identifying the payee is included in the first
7 database.

1 24. The system of claim 18, further comprising:
2 a first database stored in the memory and configured to store
3 electronic billing;
4 wherein the processor is further configured to determine if
5 the information identifying the payee is included in the first
6 database.

1 25. The system of claim 18, wherein:
2 the processor is further configured to receive, responsive to
3 the notice, a request from the payer to receive the bills of the
4 payee electronically and to cause the request to be transmitted to
5 the payee via a activated hyper-link; and
6 the hyper-link is activated by the payer.

1 26. The system of claim 18, further comprising:
2 a first database stored in the memory and configured to store
3 electronic billing information;
4 wherein the processor is further configured to further process
5 the information identifying the payee to determine if an electronic
6 bill for the payer and associated with the payee is stored in the
7 first database, and if so determined, direct a further notice to be
8 transmitted to the payer notifying the payer that the stored
9 electronic bill is available.

27. The system of claim 26, further comprising:

a second database stored in the memory and configured to store information identifying payers having stored billing information in the first database;

wherein the further processing includes determining if the information identifying the payer is included in the second database.

28. The system of claim 18, wherein the information is first information, the payee is a first payee of a plurality of payees and the payer is a first payer of a plurality of payers, further comprising:

a plurality of first databases stored in the memory, and each of the plurality of first databases associated with a different one of the plurality of payers, each configured to store second information identifying at least one payee to whom the associated payer intends to electronically direct payment and to store third information indicating the availability of electronic bill presentment from each of the included payees that offer electronic bill presentment; and

a second database stored in the memory and configured to store fourth information identifying payees that have presented at least one electronic bill;

wherein the processor is further configured to receive, from a second of the plurality of payers, an electronic bill for a second of the plurality of payers and to process the received electronic bill to determine if the second payee is included in the second database, and if not so determined, store the fourth information identifying the second payee in the second database.

29. The system of claim 28, wherein:

2 the processor is further configured to identify, if the second
3 payee is not included in the second database, those of the first
4 plurality of databases in which second information identifying the
5 second payee is stored and to store the third information
6 associated with the second payee in each of the identified first
7 plurality of databases.

1 30. The system of claim 29, further comprising:

2 a third database stored in the memory and configured to store
3 fifth information identifying each payee included in any of the
4 plurality of first databases and to store sixth information
5 identifying those payers associated with each of the payees
6 included in the third database;

7 wherein the processor is further configured to determine, if
8 the second payee is not included in the second database, if the
9 second payee is included in the third database, and if the second
10 payee is included in the third database, to identify those payers
11 associated with the second payee in the third database and to store
12 the third information associated with the second payee in each of
13 the plurality of first databases associated with the identified
14 payers.

1 31. The system of claim 28, wherein:

2 the processor is further configured to store the received
3 electronic bill in the memory; and

4 direct a notice to be transmitted to the second payer that the
5 electronic bill is available.

1 32. The system of claim 31, wherein:

2 each of the plurality of first databases is further configured
3 to store fifth information indicative of available electronic bill

4 information; and

5 the processor is further configured to determine if a one of
6 the plurality of first databases is associated with the second
7 payer, and if so determined, determine if second information
8 identifying the second payee is included in the one of the
9 plurality of first databases associated with the second payer, and
10 if so determined, store fifth information associated with the
11 second payee in the one of the plurality of first databases
12 associated with the second payer.

1 33. The system of claim 32, further comprising:

2 a third database stored in the memory and configured to store
3 sixth information identifying payers which have been presented
4 electronic bills;

5 wherein the processor is further configured to determine if
6 the second payer is included in the third database, and if not so
7 determined, store sixth information associated with the second
8 payer in the third database.

1 34. The system of claim 33, further comprising:

2 a fourth database stored in the memory and configured to store
3 seventh information identifying each payee included in any of the
4 plurality of first databases and to store eighth information
5 identifying those payers associated with each of the payees
6 included in the fourth database;

7 wherein the processor is further configured to determine if
8 the second payee is included in the fourth database, and if so
9 determined, to determine if the second payer is associated with the
10 second payee in the fourth database, and if so determined, to store
11 fifth information associated with the second payee in the one of
12 the first plurality of databases associated with the second payer.

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1 35. An article of manufacture for processing bill payment
2 information, the article of manufacture comprising:

3 a computer readable medium; and

4 computer programming stored on the medium;

5 wherein the stored computer programming is configured to be
6 readable from the computer readable medium by a computer to thereby
7 cause the computer to operate so as to:

8 process information identifying a payee to whom a payer
9 intends to electronically direct payment to determine if bills of
10 the payee are available electronically; and

11 transmit, if so determined, a notice to the payer that the
12 bills of the payee are available electronically.

13 36. The article of manufacture according to claim 35, further
14 causing the computer to operate so as to:

15 transmit the information to the payer;

16 wherein the notice is transmitted to the payer with the
17 transmitted information.

18 37. The article of manufacture according to claim 35, further
19 causing the computer to operate so as to:

20 store the information in a database;

21 wherein the processing of the information occurs one of (i)
22 subsequent to and (ii) prior to the storing of the information.

23 38. The article of manufacture according to claim 35, in the
24 further causing the computer to operate so as to:

25 if not so determined, subsequently process the information to
26 determine if the bills of the payee are available electronically;
27 and

28 if so determined in the subsequent processing, transmit, to

7 the payer, the notice that the bills of the payee are available
8 electronically.

1 39. The article of manufacture according to claim 35, further
2 causing the computer to operate so as to:

3 determine if the information identifying the payee is included
4 in a database configured to store information identifying payees
5 that offer electronic bill presentment.

1 40. The article of manufacture according to claim 35, further
2 causing the computer to operate so as to:

3 determine if the information identifying the payee is included
4 in a database configured to store information identifying payees
5 that have presented at least one electronic bill.

1 41. The article of manufacture according to claim 35, further
2 causing the computer to operate so as to:

3 determine if the information identifying the payee is included
4 in a database configured to store electronic billing information.

1 42. The article of manufacture according to claim 35, wherein
2 the payer inputs, responsive to the notice, a request to receive
3 the bills of the payee electronically, further causing the computer
4 to operate so as to:

5 transmit the request to the payee via the activated hyper-
6 link.

1 43. The article of manufacture according to claim 35, further
2 causing the computer to operate so as to:

3 further process the information identifying the payee to
4 determine if electronic billing information for the payer and

5 associated with the payee, is stored in a database configured to
6 store electronic billing information; and
7 if so determined, transmit to the payer a further notice that
8 the stored electronic billing information is available.

1 44. The article of manufacture according to claim 43, wherein
2 the database is a first database, further causing the computer to
3 operate so as to:
4 determine if the information identifying the payer is included
5 in a second database configured to store information identifying
6 payers having stored billing information in the database.

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1 45. The article of manufacture according to claim 35, wherein
2 the information is first information, the payee is a first payee of
3 a plurality of payees and the payer is a first payer of a plurality
4 of payers, further causing the computer to operate so as to:
5 store, in each of a plurality of first databases each
6 associated with one of the plurality of payers, second information
7 identifying at least one payee to whom an associated payer intends
8 to electronically direct payment;
9 receive, from a second of the plurality of payees, an
10 electronic bill for a second of the plurality of payers;
11 process the received electronic bill to determine if the
12 second payee is included in a second database storing third
13 information identifying those payees that have presented at least
14 one electronic bill;
15 if not so determined, store third information associated with
16 the second payee in the second database.

1 46. The article of manufacture according to claim 45, further
2 causing the computer to operate so as to:

3 identify, if the second payee is not included in the second
4 database, those of the plurality of first databases in which second
5 information associated with the second payee is stored; and
6 store third information associated with the second payee in
7 each of the identified plurality of first databases.

1 47. The article of manufacture according to claim 46, further
2 causing the computer to operate so as to:

3 determine, if the second payee is not included in the second
4 database, if the second payee is included in a third database
5 storing fourth information identifying each payee included in any
6 of the plurality of first databases and storing fifth information
7 identifying those payers associated with each of the payees
8 included in the third database;

9 identify those payers associated with the second payee in the
10 third database, if fourth information associated with the second
11 payee is stored in the third database; and

12 store third information associated with the second payee in
13 each of the plurality of first databases associated with the
14 identified payers.

1 48. The article of manufacture according to claim 45, further
2 causing the computer to operate so as to:

3 store the received electronic bill; and

4 transmit a notice to the second payer that the electronic bill
5 is available.

1 49. The article of manufacture according to claim 48, further
2 causing the computer to operate so as to:

3 store, in each of the plurality of first databases, fourth
4 information indicative of available electronic bill information;

5 determine if one of the plurality of first databases is
6 associated with the second payer;

7 if so determined, determine if second information identifying
8 the second payee is included in the one of the plurality of first
9 databases associated with the second payer;

10 if so determined, store fifth information associated with the
11 second payee in the one of the plurality of first databases
12 associated with the second payer.

1 50. The article of manufacture according to claim 49, further
2 causing the computer to operate so as to:

3 store sixth information identifying payers which have been
4 presented electronic bills in a third database;

5 determine if sixth information associated with the second
6 payer is included in the third database; and

7 if not so determined, store sixth information associated with
8 the second payer in the third database.

1 51. The article of manufacture according to claim 50, further
2 causing the computer to operate so as to:

3 store seventh information identifying each payee included in
4 any of the plurality of first databases and eighth information
5 identifying those payers associated with each of the payees in a
6 fourth database;

7 determine if seventh information associated with the second
8 payee is included in the fourth database;

9 if so determined, determine if the second payer is associated
10 with the second payee in the fourth database;

11 if so determined, store fifth information associated with the
12 second payee in the one of the first plurality of databases
13 associated with the second payer.

1 52. A method for notifying a payer of the availability of
2 electronic bill presentment, comprising:
3 receiving from a payer, via a network, an instruction to pay a
4 bill of a payee;
5 accessing a database having information identifying at payees
6 offering electronic bill presentment and determining if the payee
7 is included in the database; and
8 notifying the payer that the payee offers electronic bill
9 presentment if the payee is included in the database.

1 53. The method of claim 52, further comprising:
2 receiving, from the payer, a request to receive electronic
3 bills from the payee; and
4 notifying the payee of the payer request to receive the
5 electronic bills.

1 54. The method of claim 52, wherein payer is notified via a
2 hyper-link.

1 55. The method of claim 52, further comprising:
2 transmitting to the payer a plurality of electronic bill
3 presentment options;
4 receiving, from the payer, a selection of one of the plurality
5 of options; and
6 transmitting the request and the selection to the payer.

1 56. The method of claim 52, wherein the database is a first
2 database, further comprising:
3 accessing a second database having other information
4 identifying stored electronic billing information to determine if
5 the other information identifies electronic billing information for

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58. A method for notifying a person of the availability of electronic billing information, comprising:

- receiving, from a person, information identifying the person, a deposit account associated with the person and a financial institution at which the deposit account is maintained;
- storing, in a first database, electronic billing information;
- storing, in a second database, other information identifying unregistered persons having electronic billing information stored in the first database;
- determining if the other information stored in the second database identifies the new person;
- notifying the person of the availability of stored electronic billing information determined to identify the person.